

IN THE CLAIMS

Please amend claims 1 and 5-8 and cancel claims 11-15 without prejudice or disclaimer as follows.

1. (Currently amended) A catalyst for addition polymerization obtained by contacting (A), (B) and (C) described below:

(A) an organoaluminum compound,

(B) one or more of boron compounds selected from (B1) to (B3) below;

(B1) a boron compound represented by the general formula  $BQ^1Q^2Q^3$ ,

(B2) a boron compound represented by the general formula  $G^+(BQ^1Q^2Q^3Q^4)^-$ , and

(B3) a boron compound represented by the general formula  $(L-H)^+(BQ^1Q^2Q^3Q^4)^-$

(wherein each of  $Q^1$  to  $Q^4$  is independently a halogen atom, a hydrocarbon group, a halogenated hydrocarbon group, a heterocyclic group, a substituted silyl group, an alkoxy group, or a di-substituted amino group, and they may be the same or different[.]);  $G^+$  is an inorganic, organic or organometallic cation[.]; L is a neutral Lewis base, and  $(L-H)^+$  is a Brønsted acid[.]), and

(C) a solid inorganic compound.

2. (Previously presented) The catalyst according to claim 1, wherein the organoaluminum compound is one or more of aluminum compounds selected from (A1) to (A4) below:

(A1) An organoaluminum compound represented by the general formula;  
 $R_rAl(OR)_oH_pX^1_q$ ;

(A2) an organoaluminum compound represented by the general formula;  $M^1AlR_4$ ;

(A3) a cyclic aluminoxane having a structure represented by the general formula;  
 $\{-Al(R)-O-\}_j$ ; and

(A4) an aluminoxane having a structure represented by the general formula;  $R\{-Al(R)-O-\}_kAlR_2$

(wherein each of R's independently represents a hydrocarbon group having 1 to 20 carbon atoms; each of  $X^1$ 's independently represents a halogen atom;  $M^1$  represents an alkaline metal atom; "r" represents a numeral satisfying  $0 < r \leq 3$ ; "o" represents a numeral satisfying  $0 \leq o < 3$ ; "p" represents a numeral satisfying  $0 \leq p < 3$ ; "q" represents a numeral satisfying  $0 \leq q < 3$ ;  $r + o + p + q = 3$ ; "j" represents an integer of 2 or more; and "k" represents an integer of 1 or more.)

3. (Previously presented) The catalyst according to claim 1, wherein the solid inorganic compound (C) is a Brønsted acid salt of an atom selected from the group consisting of metals of the Groups I to XVI of the Periodic Table of the Elements and silicon, or a layered silicate compound.

4. (Previously presented) The catalyst according to claim 2, wherein the solid inorganic compound (C) is a Brønsted acid salt of an atom selected from the group consisting of metals of the Groups I to XVI of the Periodic Table of the Elements and silicon, or a layered silicate compound.

5. (Currently amended) The catalyst according to claim 3, wherein the Brønsted acid salt is a halide of a metal atom represented by the general formula (1):



(wherein  $M^2$  represents a metal atom selected from the Groups I to XVI of the Periodic Table of the Elements and  $X^2$  represents a halogen atom[.]); “m” represents a numeral of 1 or more, and “n” represents a product of a valence number of the metal atom and “m”[.]).

6. (Currently amended) The catalyst according to claim 4, wherein the Brønsted acid salt is a halide of a metal atom represented by the general formula (1):



(wherein  $M^2$  represents a metal atom selected from the Groups I to XVI of the Periodic Table of the Elements and  $X^2$  represents a halogen atom[.]); “m” represents a numeral of 1 or more, and “n” represents a product of a valence number of the metal atom and “m”[.]).

7. (Currently amended) The catalyst according to claim 3, wherein the Brønsted acid salt is an inorganic oxide selected from the group consisting of oxides of metals of the Group I to the Group XVI of the Periodic Table of the Elements and silicon.

8. (Currently amended) The catalyst according to claim 4, wherein the Brønsted acid salt is an inorganic oxide selected from the group consisting of oxides of metals of the Group I to the Group XVI of the Periodic Table of the Elements and silicon.

9. (Previously presented) The catalyst according to claim 3, wherein the layered silicate compound is a clay mineral.

10. (Previously presented) The catalyst according to claim 4, wherein the layered silicate compound is a clay mineral.

11.-15. Cancelled.